

Distributor for:

GRINSAFE®



SCOUT™ GHSL

LED Explosion Proof Lighting

The GHSL series floodlight offers an extensive range of hazardous certifications. Featuring an adjustable U-shaped bracket, it is designed to resist vibration and corrosion. Equipped with high-efficiency LEDs delivering 160 lm/W and lumen outputs ranging from 48,000 to 64,000, it provides reliable solutions for various challenging and hazardous environments.

Compliance

NEC/CEC Standard

UL 844 Hazardous Locations

Class I Division 1, Groups C, D

Class I Division 2, Groups A, B, C, D

Class II Division 1, Groups E, F, G

Class II Division 2, Groups F, G

Class III

Class I, Zone 1, Group IIB

Class I, Zone 2, Group IIC

CSA C22.2 No.137

CSA C22.2 No. 250.0:21

UL 1598 Wet Locations

UL 1598A Marine Outside Type (Salt Water)

UL 8750 LED Safety

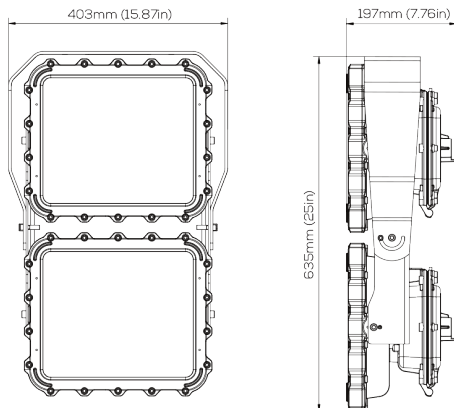
Paint Spray Booth

ABS, FCC

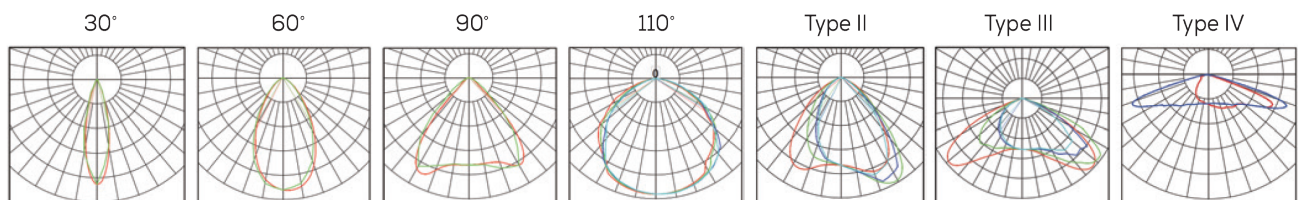
IP66/67 | IK09 | 5G | NEMA 4X

Dimensions

unit: mm(in)



Beam Distribution



Technical Data

Electrical	
Rated Power	300W / 400W
Input Voltage	100-277, 347-480V/AC
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 90%
DC output Ripple & Noise	< 200mVP-P

Optical	
Lumen Output	48,000lm ~ 64,000lm
Luminous Efficacy (Lumens per Watt)	160 lm/W
Beam Angle	30° / 60° / 90° / 110° / T2 / T3 / T4
Correlated Color Temperature (CCT)	Amber 2700K 3000K 4000K 5000K
CRI	Ra>70

Environmental	
Ambient Operating Temperature	-40°C~+60°C
Ambient Operating Humidity	10%~90% RH
Atmospheric Pressure	86~106KPa

Technical	
Lens Material	Tempered glass
Mounting Options	Angled bracket / Straight bracket
Cable Entries	3/4" NPT
Net Weight	25.2kg (55.56lbs)

Warranty

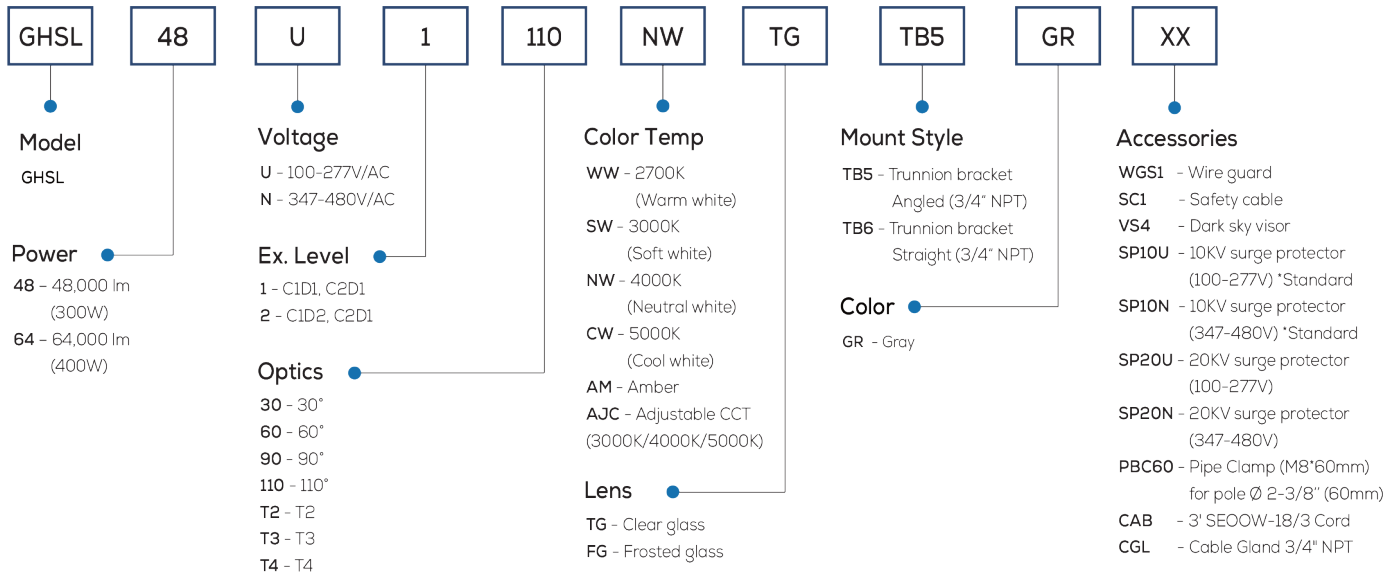
5-year limited system warranty

Lumen Maintenance: L70 > 150,000hours @ 25°C

Downloadable IES Files



Ordering Information and Mounting Accessories



¹CCT adjustable option is only available with a 110° beam angle

Mounting Options



TB5
Trunnion Bracket
(Angled)



TB6
Trunnion Bracket
(Straight)

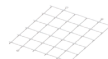
Accessories



TB5
Trunnion Bracket
(Angled)



TB6
Trunnion Bracket
(Straight)



WGS1
Stainless steel
wire guard



SC1
Stainless steel
safety cable
Ø 8 (4mm)



VS4
Stainless steel
dark sky visor



CAB
3' SE00W-18/3 Cord
(Factory installed)



CGL
Cable Gland
3/4" NPT
Suitable for C1D2



10KV Surge Protector
*Standard
SP10U
10KV (100-277V)
SP10N
10KV (347-480V)



20KV Surge Protector
SP20U
20KV (100-277V)
SP20N
20KV (347-480V)



Scout™ GHSL Duplex LED Explosion Proof Lighting

Important Information

This manual contains safety information, please read carefully and follow the instruction strictly.

WARNING: INSTALLATION & SECONDARY RETENTION

Improper installation and handling, including secondary safety retention/securing/netting, may cause severe injury or death. We recommend that all installations should use secondary retention and/or safety netting (appropriate to the installation environment) where applicable. It is the exclusive responsibility of the contractor, installer and/or end customer to: (a) determine the suitability of the product for its intended application; and, (b) ensure that the product is installed safely (with secondary retention and/or safety netting where appropriate) and in compliance with all applicable laws and regulations. To the extent permissible under the relevant law, we disclaims all responsibility for personal injury and/or other damage resulting from any dislodgement or other dislocation of this product.

WARNING

To avoid the risks of fire, explosion, or electric shock, this product should be installed, inspected, and maintained by a qualified electrician in accordance with all applicable electrical rules and regulations.

Safety Instructions:

- Be certain, the electrical power is OFF before and during installation and maintenance.
- Make sure the supply voltage is the same as the rated luminaire voltage.
- The technical data indicated on the LED luminaires are to be observed.
- Any change on the design and modifications to the LED luminaire are not permitted.
- Observe the national/regional electrical safety rules and regulations during installation.
- LED beads are NOT replaceable. Replacement of whole set of light fixture is strongly recommended.
- All wiring connections should be capped with UL approved wire connectors.
- Luminaire MUST be well grounded.
- Any combustible materials MUST be kept away from the luminaire.
- Min 90°C supply conductors.
- Do not open the cover after installing the luminaire.

Maintenance:

1. To avoid personal injury, before maintaining, disconnect the light first, and then wait for the luminaire temperature dropping into the safe range.
2. All parts must be checked by mechanical means to ensure they are properly assembled.
3. The external glass should be cleaned regularly to ensure continued luminaire performance. Wipe the glass with a clean, wet, non-abrasive, and lint-free cloth. If this is not sufficient, use mild soap or liquid cleaner. Do NOT use an abrasive, strong alkaline or acid detergent which might damage the luminaire.
4. Check the cooling fins of the luminaire and remove the dust or other sorts of things which accumulated on the luminaire.
5. Visual, electrical and mechanical inspections on the luminaire should be on a regular basis. We highly suggest that this routine inspection should be done at least once a year. The environment condition, where the luminaire installed, determines the frequency of inspection.
6. All electric connections MUST be checked and ensured that they are clean and firm.

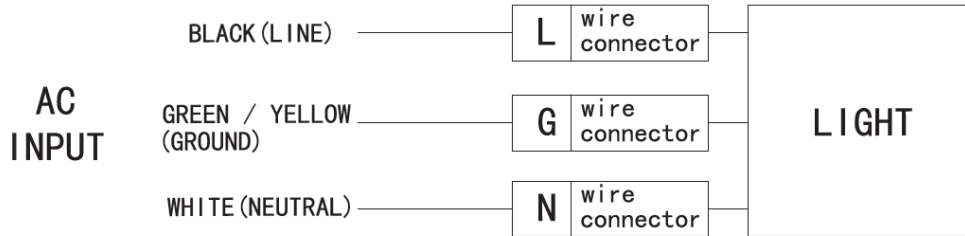


Electrical Connections:

WARNING:

Cut off the electric power supply from the circuit breaker or the fuse before wiring luminaire to the circuit.

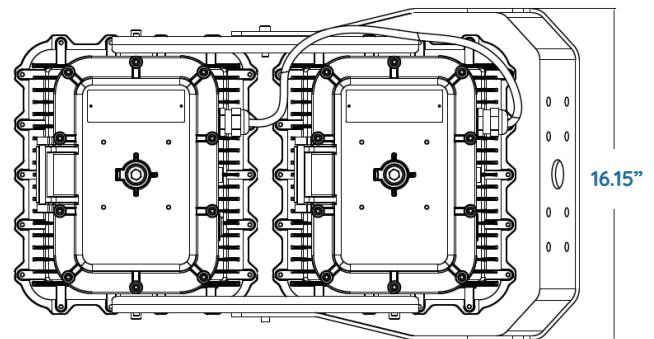
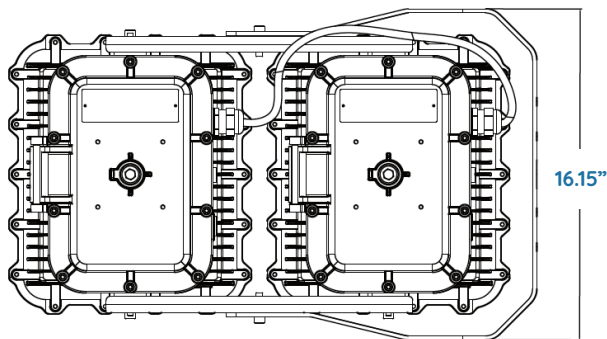
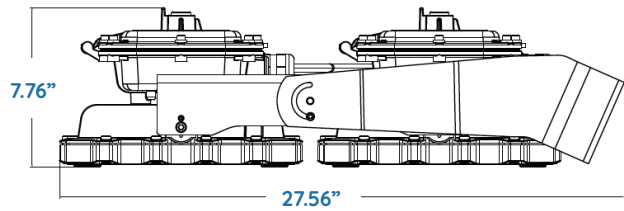
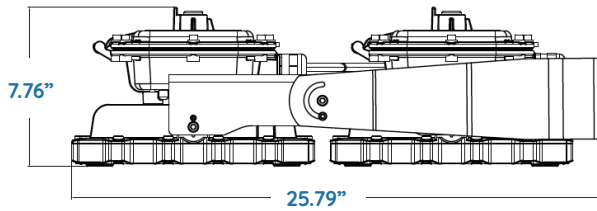
The connections are marked on the terminal block or on a label and are presented figure below.



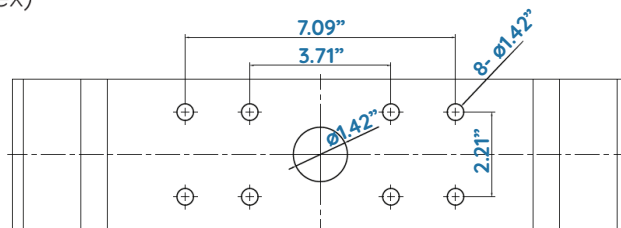
Installation & Operations:

1. Loosen the M6 Socket head cap screws on the Driver Cover.
2. Attach the Driver Housing to the 3/4" NPT conduit.
3. Thread the wire through conduit, and connect to the terminal.
4. Connect the wires to the branch circuit. (If series connection is needed.)
5. Re-attach the Driver cover and tight it by M6 Socket head cap screws with torque value 7 N-m.
6. Check the tightness of conduit and Driver Housing.

Technical Diagrams:



U-bracket (GHSL Duplex)



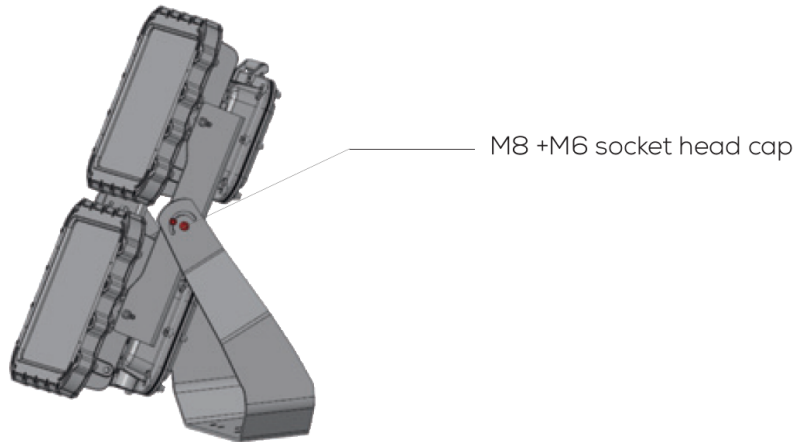
Installation:

Trunnion Bracket:

Once mounted, the angle of the luminaire can be adjusted by loosening the M8 socket head cap screw on each side of the bracket. When loosening, do not back bolt out more than 5 full rotations.

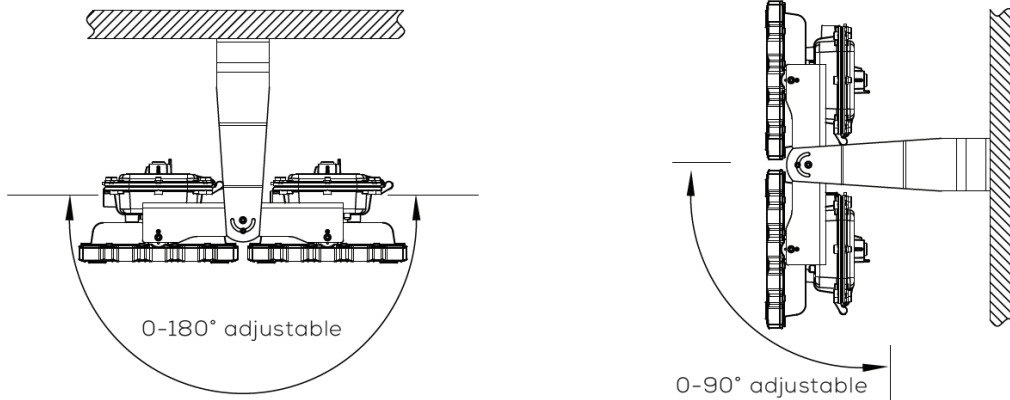
When the desired angle has been achieved, the bolts can be tightened to lock in the angle.

Torque: 20 N-m



* NPT3/4 threads need to be reliably installed to ensure the waterproof performance of the Luminaire, On the NPT3/4 thread, Apply a stripe of an anaerobic liquid pipe sealant or wrap Teflon tape.

Installation Diagram:



Models:

Models GHSL

Models	Power	Rated Voltage	Ambient Temp	
			Class I, Division 1 Class I, Division 2	Class II, Division 1 Class II, Division 2 Class III
GHSL-64-U	400W	100-277V	-40°C (-40°F) ~ +60 °C (140 °F)	60 °C (140 °F)
GHSL-64-N		347-480V		
GHSL-48-U	300W	100-277V	-40°C (-40°F) ~ +65 °C (149 °F)	65 °C (149 °F)
GHSL-48-N		347-480V		

